

Regional Trends for the Priority Chemicals

Exhibit 3.8 shows the PC quantities by EPA Region, from 1999 to 2003. Facilities in 4 of the Regions (Regions 2, 3, 5, and 10) had a decrease of more than one million pounds in PC quantities. Region 7 facilities had an increase of over 4.6 million pounds. In 2003, approximately over 80 percent of the total quantity of PCs was reported by facilities in 4 EPA Regions: Region 6 (39.3%), Region 4 (16.8%), Region 5 (16.3%), and Region 7 (9.9%).

Exhibit 3.8. Priority Chemical Quantities (lbs) by EPA Region (1999 – 2003)

EPA Region	1999	2000	2001	2002	2003	Percent of Total Quantity in 2003	Percent Change (1999-2003)
1	525,016	684,861	1,288,898	986,650	1,009,289	1.3%	92.2%
2	3,708,832	3,778,794	2,514,404	1,774,434	1,657,514	2.1%	-55.3%
3	6,378,497	6,870,818	8,231,857	4,673,141	5,362,340	6.8%	-15.9%
4	12,199,897	15,682,639	13,179,721	10,980,492	13,321,440	16.8%	9.2%
5	14,039,745	12,941,398	11,262,484	14,347,790	12,896,587	16.3%	-8.1%
6	31,086,511	44,117,121	34,425,819	33,794,476	31,168,159	39.3%	0.3%
7	3,214,109	6,865,892	6,138,039	6,806,476	7,863,422	9.9%	144.7%
8	1,137,281	1,610,228	1,360,725	1,155,555	1,483,026	1.9%	30.4%
9	1,748,944	3,251,743	2,969,640	2,855,807	2,627,186	3.3%	50.2%
10	3,213,494	3,839,153	2,643,938	1,875,528	1,843,732	2.3%	-42.6%
Total	77,252,326	99,642,648	84,015,526	79,250,350	79,232,695	100.0%	2.6%

Exhibit 3.9. Percentage of 2003 Priority Chemical Quantity Generated by Region

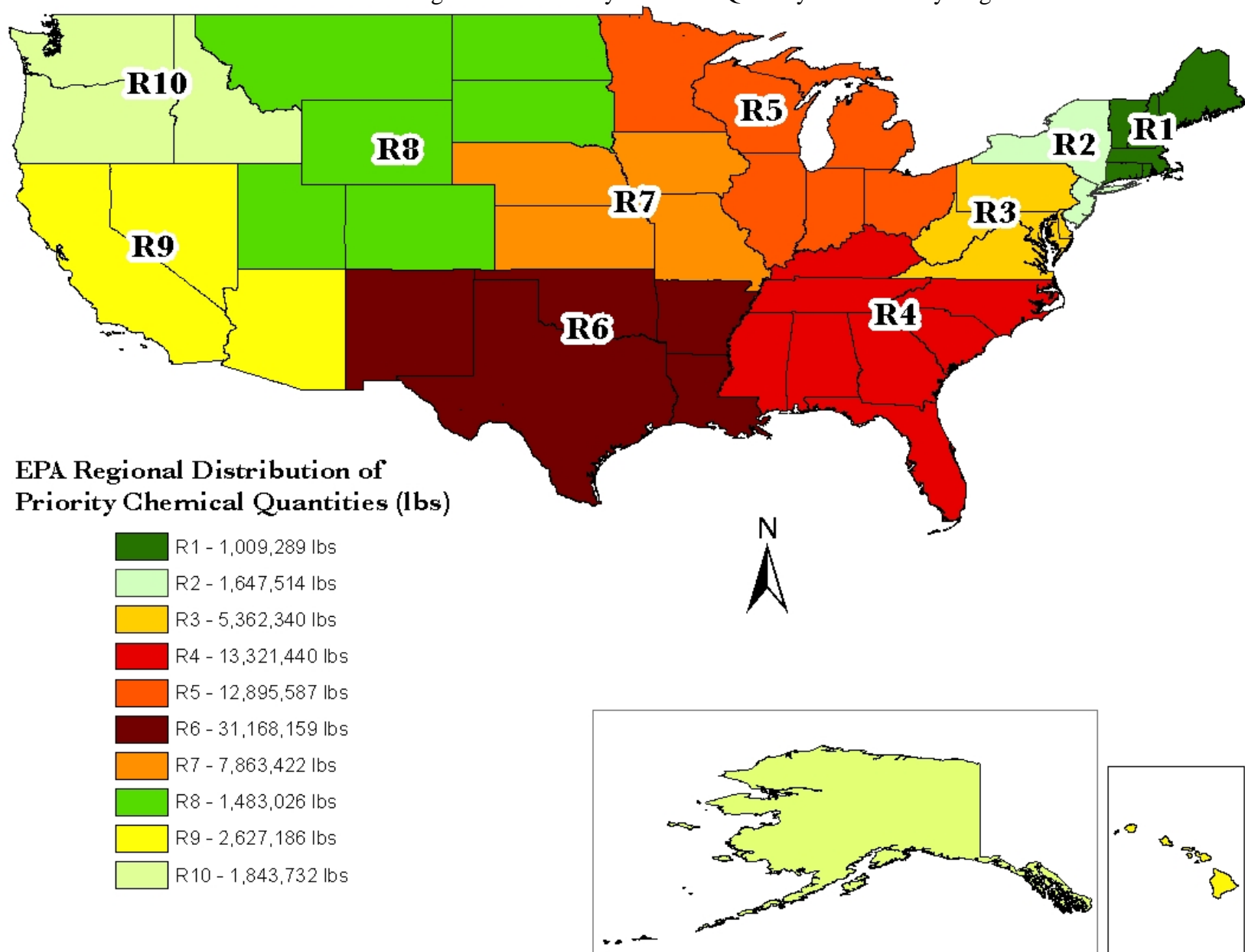


Exhibit 3.10. 2003 Priority Chemical Quantity Generated by Region

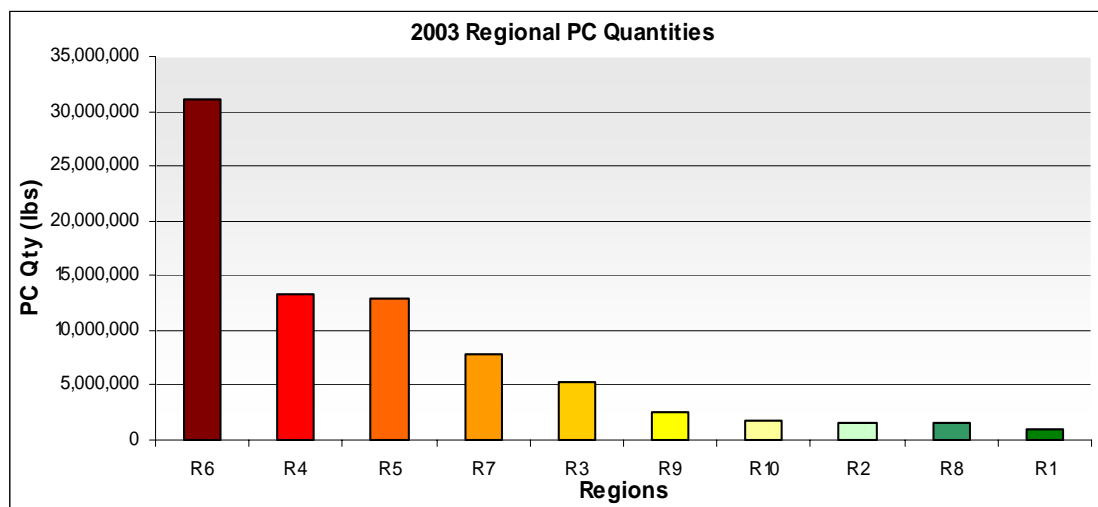


Exhibit 3.11 shows the number of facilities that reported the PCs in each Region from 1999-2003. As noted in the previous discussion of national trends, the increased number of facilities reporting the PCs in 2000 likely was due to lowered TRI reporting thresholds for a number of the PCs that became effective in 2000 (see Exhibit 3.3), including the initial reporting of three chemicals (benzo(g,h,i)perylene, dioxin/dioxin-like compounds, and pentachlorobenzene). The increase in 2001 likely can be attributed to the lowered TRI reporting threshold for lead and lead compounds. Since 2001, the number of facilities reporting the PCs has leveled off in each of the Regions.

Exhibit 3.11. Number of Facilities Reporting Priority Chemicals, by EPA Region (1999-2003)

EPA Region	1999	2000	2001	2002	2003	Percent of Total Facilities in 2003
1	86	162	397	396	386	7.2%
2	99	170	343	303	287	5.4%
3	179	260	563	533	508	9.5%
4	293	481	1,037	1,035	1,022	19.2%
5	397	541	1,457	1,454	1,406	26.4%
6	221	378	631	615	620	11.6%
7	92	149	324	322	340	6.4%
8	43	64	132	131	135	2.5%
9	89	142	451	434	403	7.6%
10	41	91	225	225	225	4.2%
Total	1,540	2,438	5,560	5,448	5,332	100.0%

A comparison of the methods used to manage the PCs in the EPA Regions, in 2003 compared to 1999, is shown in Exhibit 3.12. Some highlights from this exhibit include:

Disposal

- Decreased in 4 Regions: Region 2 (-469,000 pounds, -32%), Region 3 (-1.5 million pounds, -29%), Region 5 (- 1.2 million pounds, -12%), and Region 10 (-1.4 million pounds, -46%)
- Increased in 6 Regions, including: Region 4 (+ 2.5 million pounds, +47%), Region 6 (+1.8 million pounds, +55%), Region 7 (+ 4.6 million pounds, +167%), Region 9 (+940,000 pounds, +84%)

Treatment

- Decreased in 7 Regions, including: Region 1 (-127,000 pounds, -87%), Region 2 (-1.8 million pounds, -83%), Region 6 (-4.2 million pounds, -18%)
- Increased in 3 Regions, including: Region 4 (+1.8 million pounds, +91%), Region 5 (+1.1 million pounds, +70%)

Energy Recovery

- Decreased in 3 Regions, including: Region 4 (-3.2 million pounds, -64%), Region 5 (-967,000 pounds, - 49%)
- Increased in 7 Regions, including: Region 1 (+608,000 pounds, +2,170%), Region 2 (+183,000 pounds, +148%), Region 3 (+596,000 pounds, +202%), Region 6 (+2.5 million pounds, +59%)

Recycling

- Decreased in 8 Regions, including: Region 3 (-24.7 million pounds, -34%), Region 5 (-55 million pounds, -18%), Region 6 (-108 million pounds, -63%), Region 7 (-24 million pounds, -19%)
- Increased in 2 Regions: Region 4 (+6.6 million pounds, +6%), Region 10 (2.2 million pounds, +38%)
- Most of the decreased recycling quantity was for Lead and Lead Compounds.

Exhibit 3.12. Management of the Priority Chemicals by EPA Region (1999 and 2003)

1999 (Pounds)										
EPA Region	Onsite Disposal	Offsite Disposal	Onsite Energy Recovery	Offsite Energy Recovery	Onsite Treatment	Offsite Treatment	Total Quantity of Priority Chemicals	Onsite Recycling	Offsite Recycling	Total Recycling
1	12,255	338,888	25,289	2,712	14,645	131,227	525,016	66,930	1,955,675	2,022,605
2	10,200	1,445,507	6,200	116,909	285,865	1,844,150	3,708,832	6,873,930	13,822,937	20,696,867
3	42,095	5,232,557	191,601	103,782	392,805	415,657	6,378,497	55,955,433	16,336,485	72,291,918
4	1,743,861	3,486,120	4,782,659	171,397	1,461,992	553,868	12,199,897	39,214,218	69,317,021	108,531,239
5	1,056,572	9,535,462	792,278	1,163,053	821,972	670,408	14,039,745	264,647,506	50,005,397	314,652,903
6	593,394	2,707,917	2,598,786	1,664,814	22,732,854	788,747	31,086,511	148,074,276	22,553,087	170,627,363
7	98,801	2,653,376	50,023	31,299	216,745	163,866	3,214,109	55,753,375	67,189,684	122,943,059
8	5,065	1,047,556	2,338	655	78,622	3,045	1,137,281	103,992	3,565,436	3,669,428
9	26,601	1,094,103	126,146	290,120	138,344	73,630	1,748,944	872,164	27,112,613	27,984,777
10	540,215	2,395,517	18,632	1,508	252,154	5,468	3,213,494	1,121,686	4,533,816	5,655,502
Total	4,129,059	29,937,003	8,593,952	3,546,248	26,395,997	4,650,067	77,252,326	572,683,510	276,392,151	849,075,661
2003 (Pounds)										
1	16,919	337,895	633,042	2,605	15,721	3,106	1,009,289	48,913	1,714,346	1,763,258
2	112,158	874,417	45,683	260,166	333,158	31,932	1,657,514	4,803,694	13,183,436	17,987,130
3	203,797	3,532,651	764,634	126,414	502,214	232,630	5,362,340	34,950,549	12,650,684	47,601,234
4	3,850,064	3,832,890	1,680,067	116,538	3,713,230	128,650	13,321,440	50,225,878	64,892,242	115,118,120
5	619,461	8,744,814	477,181	511,577	2,403,869	139,684	12,896,587	227,143,265	32,589,468	259,732,732
6	2,027,386	3,094,895	5,654,471	1,114,745	18,495,127	781,536	31,168,159	33,388,519	30,120,772	63,509,291
7	397,881	6,961,728	62,273	13,231	329,829	98,480	7,863,422	57,825,322	41,285,096	99,110,418
8	405,007	1,006,457	59,937	2,873	4,159	4,593	1,483,026	75,800	3,345,386	3,421,186
9	496,044	1,564,948	242,654	242,808	62,319	18,414	2,627,186	15,233,419	8,895,307	24,128,726
10	943,098	638,410	71,174	11,477	169,348	10,225	1,843,732	3,458,794	4,367,363	7,826,158
Total	9,071,816	30,589,106	9,691,116	2,402,434	26,028,974	1,449,249	79,232,695	427,154,153	213,044,100	640,198,253